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Attorney Docket No.: 108298722US
Disclosure No. 02-1565.00/US
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Sarigiannis et al.

Application No.: 10/665,908

Confirmation No.: 7052

Filed: September 18, 2003

Art Unit: 1762

For: **SYSTEMS AND METHODS FOR
DEPOSITING MATERIAL ONTO
MICROFEATURE WORKPIECES IN
REACTION CHAMBERS**

Examiner: K. M. Stouffer

INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed more than three months after the U.S. filing date, OR more than three months after the date of entry of the national stage of a PCT application, AND after the mailing date of the first Office Action on the merits, whichever occurs first, but before the mailing date of a Final Office Action or Notice of Allowance (37 CFR 1.97(c)).

In accordance with 37 CFR 1.98(a)(2)(ii), Applicant has not submitted copies of U.S. patents and U.S. patent applications. Applicant submits herewith copies of foreign patents and non-patent literature in accordance with 37 CFR 1.98(a)(2).

This Information Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the cited information is, or is considered to be, material to patentability. In addition, applicant does not admit that any enclosed item of information constitutes prior art to the subject invention and specifically reserves the right to demonstrate that any such reference is not prior art.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

Our check in the amount of \$180.00 covering the fee set forth in 37 CFR 1.17(p) is enclosed. The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-0665, under Order No. 108298722US.

Dated: 11/30/06

Respectfully submitted,

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Substitute for form 1449A/B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/665,908-Conf. #7052
Filing Date	September 18, 2003
First Named Inventor	Demetrius Sarigiannis
Art Unit	1762
Examiner Name	K. M. Stouffer
Attorney Docket Number	108298722US

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-4,313,783	02-02-1982	Davies et al.	
		US-4,509,456	04-01-1985	Kleinert et al.	
		US-4,593,644	06-10-1986	Hanak	
		US-4,911,638	03-27-1990	Bayne et al.	
		US-4,923,715	05-08-1990	Matsuda et al.	
		US-5,015,330	05-14-1991	Okumura et al.	
		US-5,017,404	05-21-1991	Paquet et al.	
		US-5,020,476	06-04-1991	Bay et al.	
		US-5,090,985	02-01-1992	Soubeyrand	
		US-5,325,020	06-28-1994	Campbell et al.	
		US-5,366,557	11-22-1994	Yu	
		US-5,433,787	07-18-1995	Suzuki et al.	
		US-5,575,883	11-19-1996	Nishikawa et al.	
		US-5,769,950	06-23-1998	Takasu et al.	
		US-5,819,683	10-13-1998	Ikeda et al.	
		US-5,866,986	02-02-1999	Pennington	
		US-5,885,425	03-23-1999	Hsieh et al.	
		US-5,902,403	05-11-1999	Aitani et al.	
		US-6,006,694	12-28-1999	DeOrnellas et al.	
		US-6,022,483	02-08-2000	Aral	
		US-6,113,698	09-05-2000	Raaijmakers et al.	
		US-6,159,298	12-12-2000	Saito et al.	
		US-6,206,967	03-27-2001	Mak et al.	
		US-6,207,937	03-27-2001	Stoddard et al.	
		US-6,251,190	06-26-2001	Mak et al.	
		US-2001/0012697	08-09-2001	Mikata	
		US-6,273,954	08-14-2001	Nishikawa et al.	
		US-6,277,763	08-21-2001	Kugimiya et al.	
		US-6,294,394	09-25-2001	Erickson et al.	
		US-6,328,803	12-11-2001	Rolfson et al.	
		US-2001/0050267	12-13-2001	Hwang et al.	
		US-6,334,928	01-01-2002	Sekine et al.	

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				Application Number	10/665,908-Conf. #7052
				Filing Date	September 18, 2003
				First Named Inventor	Demetrius Sarigiannis
				Art Unit	1762
				Examiner Name	K. M. Stouffer
Sheet	2	of	4	Attorney Docket Number	108298722US

		US-2002/0000202	01-03-2002	Yuda et al.	
		US-6,364,219	04-02-2002	Zimmerman et al.	
		US-6,383,300	05-07-2002	Saito et al.	
		US-6,402,806	06-11-2002	Schmitt et al.	
		US-6,402,849	06-11-2002	Kwag et al.	
		US-6,415,736	07-09-2002	Hao et al.	
		US-6,425,168	07-30-2002	Takaku et al.	
		US-2002/0132374	09-19-2002	Basceri et al.	
		US-2003/0037730	02-27-2003	Yamasaki et al.	
		US-2003/0049372	03-13-2003	Cook et al.	
		US-6,585,823	07-01-2003	Van Wijck	
		US-6,622,104	09-16-2003	Wang et al.	
		US-2003/0213435	11-20-2003	Okuda et al.	
		US-6,656,282	12-02-2003	Kim et al.	
		US-6,663,713	12-16-2003	Robles et al.	
		US-6,666,982	12-23-2003	Brcka	
		US-2004/0000270	01-01-2004	Carpenter et al.	
		US-6,686,594	02-03-2004	Ji et al.	
		US-6,689,220	02-10-2004	Nguyen	
		US-2004/0025786	02-12-2004	Kontani et al.	
		US-6,716,284	04-06-2004	Campbell et al.	
		US-2004/0089240	05-13-2004	Dando et al.	
		US-6,758,911	07-06-2004	Campbell et al.	
		US-6,770,145	08-03-2004	Saito et al.	
		US-6,773,507	08-10-2004	Jallepally et al.	
		US-6,787,463	09-07-2004	Mardian	
		US-6,800,172	10-05-2004	Carpenter et al.	
		US-6,807,971	10-26-2004	Saito et al.	
		US-6,814,813	11-09-2004	Dando et al.	
		US-6,820,570	11-23-2004	Kilpela et al.	
		US-2004/0238123	12-02-2004	Becknell et al.	
		US-2005/0016956	01-27-2005	Liu et al.	
		US-6,849,131	02-01-2005	Chen et al.	
		US-6,858,264	02-22-2005	Dando et al.	
		US-6,869,500	03-22-2005	Lee et al.	

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				Art Unit	1762
				Examiner Name	K. M. Stouffer
Sheet	3	of	4	Attorney Docket Number	108298722US

		US-2005/0061243	03-24-2005	Sarigiannis et al.	
		US-6,881,295	04-19-2005	Nagakura et al.	
		US-6,884,296	04-26-2005	Basceri et al.	
		US-6,887,521	05-03-2005	Basceri	
		US-6,890,386	05-10-2005	DeDontney et al.	
		US-6,905,549	06-14-2005	Okuda et al.	
		US-2005/0126489	06-16-2005	Beaman et al.	
		US-6,916,398	07-12-2005	Chen et al.	
		US-2005/0217582	10-06-2005	Kim et al.	
		US-2006/0134345	06-22-2006	Rueger et al.	
		US-2006/0165873	07-27-2006	Rueger et al.	
		US-2006/0204649	09-14-2006	Beaman et al.	
		US-2006/0205187	09-14-2006	Zheng et al.	
		US-2006/0213440	09-28-2006	Zheng et al.	
		US-2006/0237138	10-26-2006	Qin	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)					
		JP-63-111177-A		05-16-1988	Hitachi Ltd.		
		JP-63-020490-A		01-28-1988	Toshiba Corp.		
		JP-64-81311-A		03-27-1989	NEC Corp.		
		JP-06-201539		07-19-1994	Kitsuta, Yasuo		
		WO-01/32966-A1		05-10-2001	Dobrovinsky et al.		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
		Aera Corporation, "Fundamentals of Mass Flow Control," 1 page, retrieved from the Internet on March 6, 2003, < http://www.aeramfc.com/funda.shtml >.		

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				Art Unit	1762
				Examiner Name	K. M. Stouffer
Sheet	4	of	4	Attorney Docket Number	108298722US

		EMCO Flow Systems, "Mach One Mass Flow Controllers", 1 page, retrieved from the Internet on November 7, 2003, < http://emcoflow.com/mach-one.htm >.	
		EMCO Flow Systems, "Mach One Mass Flow Controller Product Brochure" 6 pages, retrieved from the Internet on November 7, 2003, < http://www.emcoflow.com/literature/brochures_product_sheets/mach_one/mach_one_brochure_2_01.pdf >.	
		SemiZone, "EMCO Flow Systems Granted Patent for the Mach One Mass Flow Controller for the Semiconductor Industry (June 28, 2001), 2 pages, retrieved from the Internet on November 7, 2003, < http://www.semizone.com/news/item?news_item_id+100223 >.	

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